ROSEN

ENTERTAINMENT SYSTEMS

Multimedia Navigation System

System Features

- Ultra High Resolution LCD Display
- Integrated Touch Screen Controls
- AM/FM Stereo Tuner with 24 Presets
- Satellite Radio Ready with 24 Presets
- Made for iPod Accessory Ready
- CD and MP3 Audio Disc Playback
- Plays DVD Movie to Front and Rear Seat Zones
- Supports Integrated Rear Seat Monitors
- Integrated MP3 Virtual 6 Disc Recorder/Player
- Built in Bluetooth Hands-Free Interface
- Aux Input to Play External Sources
- Supports Dolby 5.1 Surround Sound
- Supports Full Subwoofer Control
- Voice and Visual 3D Turn-By-Turn Navigation
- 3D Maps with City Realistic Graphics
- Millions of POI Navigation Library
- Integrated Backup Camera ready
- Integrated Backup Sensor ready

OWNER'S MANUAL

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NOTE

In order to use the product correctly and safely, please read this manual carefully.

Specifications and designs are subject to change without notice.

SAFETY NOTICE

NOTICE OF INTENDED USE

Some features of Rosen Entertainment Systems are not intended for viewing by the driver when the vehicle is in motion, such as movie playback. When using navigation, minimize the amount of time spent viewing the screen and use voice prompts as much as possible. Avoid prolonged use of the touch screen controls. Such use might distract the driver or interfere with the driver's safe operation of the vehicle , and thus result in serious injury or death. Such use might also violate state and local laws.

Rosen Entertainment Systems disclaims any liability for any bodily injury or property damage that might result from any improper or unintended use.

COMPATIBILITY

BLUETOOTH PHONES

This system requires a Bluetooth enabled phone. Cell phones and software vary by brand and date of manufacture. Therefore some phones may not be compatible and/or some functions may be different or not compatible with this system during actual use.

APPLE iPOD/iPHONES

Due to operational differences in various generations of iPods/iPhones and changes in Apple firmware not all iPods/iPhones are compatible with the Rosen system.

Using non-compatible equipment may cause unpredictable operation or cause the system to lockup and require a resetting.

Product compatibility is subject to change without notice and is not covered under the product warranty.

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Controls

Your system (while it may not look like the figure), is equipped with various push buttons and rotary knobs in some cases. You can use these to access selected functions directly.

Touch Controls

Your system is equipped with a touch sensitive screen. Most areas of the screen contain buttons. You can use these to access selected functions.

Screen Organization

The Information Bar is located at the top of the screen. Depending on the source, it will provide information or content sensitive controls.

MENU This will take you to the Settings Menu for advanced control settings.

The Source Tabs located at the bottom of the screen will give you direct access to common sources.

Note: "PHONE" is highlighted BLUE when Bluetooth is enabled.

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Spectrum Display

If the spectrum is turned on, it will display after several seconds of no operation while in Radio or Satellite Radio mode.

After the spectrum screen appears, touch Spectrum to switch among several different spectrum display options (as figure shows).

Spectrum can be enabled/disabled from the settings screen.

Turning the Unit On/Off

◆ Turning on

Vehicle ignition must be ON or in ACC mode to operate system. Press the power knob or button on the unit to turn the system On/Off.

◆ Turning off

To power OFF, press and hold the power knob or button.

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2. BASIC OPERATION

2.1 RADIO Operation

Enter/Exit

Touch [AM/FM] to enter radio interface.

Touch any other Tab Button to exit this screen.

If the spectrum is turned on, it will display after a few seconds if there is no operation. When spectrum is showing, touch the screen to return to the radio mode.

Band Selection

Touch [AM/FM] tab to cycle through AM, FM1, FM2, and FM3.

Automatic Search

Touch [<<] or [>>] button to use the scan/seek functions as follows:

Short press enables you to SEEK the next station.

Long press [>>] enables you to SCAN all available stations. To stop SCAN press the button a second time.

Setting Preset Buttons

Select the radio station, and then press and hold one of the preset buttons to set the station.

18 radio stations can be stored for FM (6 stations for each of FM1, FM2 and FM3), 6 stations can be stored for AM.

Play a Selected Radio Station

Using a short press of a preset button or the tuning knob on equipped radios, you can select the desired station from FM1, FM2, FM3 or AM.

A short press of the button labeled 103.7Mhz will tune the radio to 103.7Mhz.

2.1.1 RDS Operation

To enable/disable the RDS (Radio Data System) feature touch the RDS icon on the top menu bar.

When an RDS function is enabled the RDS icon will remain colored.

PTY Operation

Touch PTY to enable the PTY (Program Type) function.

When this function is enabled it will limit the radio tuning to the current category such as "C Rock." When C Rock is selected you will only be able to scan/select C Rock stations.

AF Operation

Touch AF to enable the AF (Alternative Frequencies) function.

When this function is enabled and if the RDS signal becomes weak it will automatically search for another station with a stronger frequency when available.

TA Operation

Touch TA to enable the TA (Traffic Announcement) function.

When this function is enabled (if available in your area) local traffic alerts will be announced during the current audio playback for most sources. After the announced the current audio playback will resume.

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2.2 SATELLITE RADIO Operation

Enter∕Exit

If your system contains the _optional_ Satellite Radio feature, touch SAT to enter SAT radio interface.

Touch any other Tab Button to exit this screen.

If the spectrum is turned on, it will display after a few seconds if there is no operation. When spectrum is showing, touch the screen to return to the SAT radio mode.

Preset Selection

Touch SAT tab to cycle through SAT1, SAT2 and SAT3.

Automatic Search

Touch << or >> button to use the seek functions as follows:

Short press enables you to SEEK the next station.

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Setting Preset Buttons

Select the SAT radio station, and then press
and hold one of the preset buttons to set the
station.

18 stations can be stored for SAT
(6 stations for each of SAT1, SAT2 and
SAT3).

Play a Selected SAT Radio Station

Using a short press of a preset button you
can select the desired station from SAT1,
SAT2, or SAT3.

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2.3 iPod Operation

When the unit is equipped with the optional iPod connector and external iPod player, the audio and video files (on compatible iPod models) stored in an iPod player can be played through the car system.

Due to changes in design and firmware by Apple, not all iPod models are compatible with the Rosen system. To see a list of compatible iPod models please go to www.rosenentertainment.com.

Enter∕Exit

Touch iPOD tab to enter the ipod interface.

Touch any other Tab Button to exit.

iPod Control Panel Description

MENU	Touch to access previous menu	Album	Touch to show album art, optional on some models.
▶▶	Next Track/FF	Shuffle	Touch to play songs in random order
◀◀	Previous Track/FR	Repeat	Touch to repeat Song, Playlist or Album
▶ll	Play/ Pause	Scan	Play the intro of each song
▼ ▲	Page Up/ Page Down	Keypad	Touch to access numeric keypad

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Main Menu

Touch MENU to go up one level in the menu structure.

To Play A Song

To play a song from the menu, touch the song name.

Touch ◄◄ or ►► to play the previous/next song.

Touch ►II to Pause or resume Playback.

Display Song Information

Touch the EQ button once and the play information will be displayed in the box on the right (as shown).

Touch the EQ button when the play information is displayed and it will launch the spectrum display it the spectrum is enabled.

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Numeric Keypad

Touch [Keypad] to enter the numeric keypad interface.

Touch the numbers on the keypad to select the desired song choice, then touch Enter to confirm. Your selection will then be played.

Video Playing

Touch [MENU] to access the main menu of the iPod. Select Video from the menu list as shown.

Control will be switched back to the iPod. Use the iPod to select the video file to play and it will be played on the system's screen.

While in video play mode, touch the screen to open the iPod control panel.
Touch [MENU] to return to the iPod main menu and touch any other menu item to exit from video play.

Touch any other Tab Button to exit from iPod interface.

Note: Video function may not be supported on all iPod models. Video Playback is not allowed while the vehicle is in motion. To play video the vehicle park brake must be engaged.

2.4 CD Operation

CD Disc Playing

Touch the CD tab to enter the main CD interface.

Touch any other Tab Button to exit this screen.

Inserting a CD will automatically start audio playback. Discs should be inserted with the label facing upwards.

A CD can be inserted at any time and the system will automatically switch to CD mode (except in Navigation mode).

If the spectrum is turned on, it will display after several seconds of no operation.

CD Control Panel Description

| EQ | Touch to cycle through available sound field modes. | Spectrum | Touch to cycle through available spectrum displays. |

| ▶II | Play/Pause | ■ | Stop |

| |◀◀ | Previous Track/FR | ▶▶| | Next Track/FF |

| Random | Touch to play songs at random. | Repeat | Touch to repeat Track or All. |

| Scan | Touch to scan through the intro of each track. | Copy | Touch to add the current track or entire disc to the optional MP3 function. |

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2.5 DVD Operation

This unit plays discs in formats such as DVD/VCD/CD/MP3/JPEG/MPEG4/CD-R, etc.
However, some user produced disc may not play or may cause unpredictable operation.
Disc which are not the proper region will not play in this system and the disc size is
limited to the standard 12cm diameter type only.

Enter/Exit

Touch DVD to enter DVD
interface.

Touch any other Tab Button to exit the
DVD interface.

If a USB/SD card is connected, touch the DVD tab again to access USB/SD
card playing mode.

※   Note: DVD video playback is not allowed when the vehicle is in motion. Video
playback is enabled when the vehicle park brake is engaged.

Disc Load/Eject

- A DVD can be inserted at any time and the system will automatically switch to DVD
  mode (except in Navigation mode).

- Insert the disc with the label facing upwards. When the system detects the disc, it will
  load automatically and play.

- Insert a Mp3 disc into the DVD/CD slot and it will be read and played automatically.

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DVD Control Panel Description

While in DVD mode, long press the screen to show the DVD control panel.

Touch the screen or ▢ DVD tab to exit the control panel and return the DVD to full screen or after several seconds of no operation, the DVD screen will return to full screen mode.
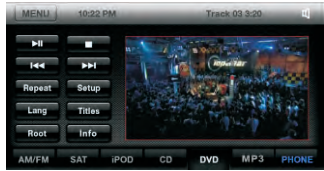
▶❙❙	Play/Pause	■	Stop

| ❙◀◀ | Previous Chapter/FR | ▶▶❙ | Next Chapter/FF |

| Repeat | Touch to repeat various selections. | Setup | See DVD System Setup section for detailed instruction. |

| Lang | Touch to choose available language options. | Titles | Touch to select subtitle language options. |

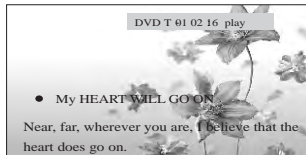| Root | Touch to go back to main disc menu. | Info | Displays information about the current Disc, Track and Time. |

2.5.1 VCD Disc Playing

If the VCD has no menu, the system will automatically read the disc and play directly. If the disc has a menu, touch the menu item to play.

● Normal
　Select song

Touch **Root** on the DVD setting page, to return to main menu of the disc.

While playing a disc, touch the upper right part of the screen to display the play information.

If the VCD disc supports the function, you can play a selected song from the keypad found on the control panel.

DVD T-01 02:16 play

● My HEART WILL GO ON

Near, far, wherever you are, I believe that the heart does go on.

DVD T-01 02:16 play

Current track　Play time　Play status
number

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2.5.2 SD Card Playing

If the unit is equipped with the *optional* multi-media SD card port, this operation is available.
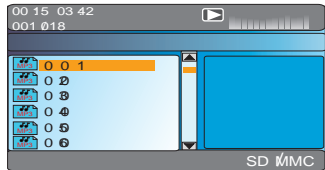
Inserting /Removing SD Card

Insert the SD card, with media information into the SD card slot directly until the card is locked.

To remove the SD card, exit from SD card playback mode first, and then press the SD card slightly to cancel the locking status and the SD card will eject automatically.

SD Card Playback Mode

Touch the DVD to enter into the SD card playback interface.

After the SD card is read, you can select from the available files. Other operation will be the same as the CD audio Playback mode.

Note: Some formats of MP3 are not supported.

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2.5.3 JPEG Disc Playing

Insert a JPEG disc into the DVD player. The disc will play the first file automatically.

To exit, touch the screen to bring up the main menu Tab Buttons.
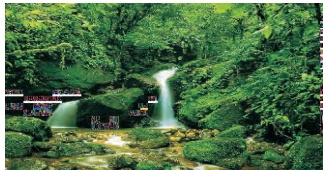
Play Status:

While playing, touch [icon] to return to thumbnail view.

From thumbnail view, touch any picture to begin playing

Thumbnail View

Random ◄ Previous Next ►

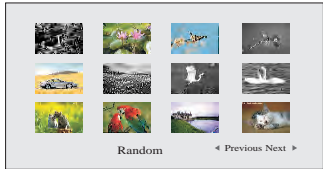Touch ◄ Previous Next ► to page up/down to browse images.

Touch the icon" random" to play the picture in the current folder at random.

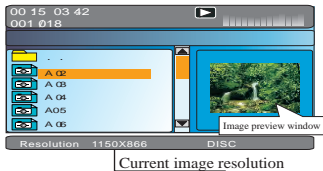Touch [icon] one more time, and you will return to the menu interface.

Contents menu interface

00:15 03:42
001/018

A02
A03
A04
A05
A06

Image preview window

Resolution 1150X866 DISC

Current image resolution

16

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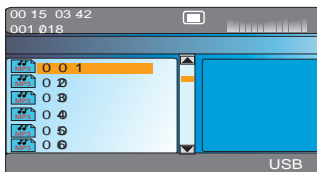## 2.5.4 Play USB Hard Disc

Inserting / Removing USB

To use the USB input, insert USB directly into the unit or though the USB adaptor cable included with the system.

To remove the USB, exit from USB mode first.

Access to USB Mode

Touch DVD to enter into the USB interface.

After the USB device is read, you can select from the available files. Other operation will be the same as the CD audio Playback mode.

Note: Some formats of MP3 are not supported.

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2.6 MP3 Operation

Your system may contain an *optional* built in MP3 storage feature.

Touch the MP3 tab to enter the optional MP3 interface.

Touch any other Tab Button to exit from the MP3 interface.

Touch any button where MP3 music has been recorded to start playback.

▶❙❙ Play/Pause

◀◀ Previous Track

■ Stop

▶▶ Next Track

Delete To delete the stored music from the folder or a single track from the Favorites list, short press the desired folder then touch the Delete button. A message will show "OK to Delete," touch Delete again and the contents of the selected folder or single track will be deleted.

2.6.1 MP3 Recording

To add songs to your MP3 library insert a CD or touch the CD Tab Button. When a CD is inserted it will automatically show the CD interface. Press Copy to begin recording the CD or Song.

The MP3 screen will show and indicate that it is copying the selected files. To save the entire CD, press and hold the desired Disc button. Press and hold Favorites to save the current song to the Favorites folder.

Note: If the recording is stopped for any reason (turning the system off) only a partial recording will be saved, you must restart the process from the beginning to add the entire content to your MP3 library.

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2.7 Bluetooth Handsfree

The system can provide bluetooth hands free communication function. If your mobile phone is bluetooth enabled, it can establish a point-to-point connection with the system, providing telephone dial up, call answering, and bluetooth music play.

Note: This system requires a Bluetooth enabled phone. Cell phones and software vary by brand and date of manufacture. Therefore some phones may not be compatible and/or some functions may be different or not compatible with this system during actual use.

Phone compatibility issues are not covered under warranty.

Enter/Exit

Touch PHONE tab to enter main bluetooth interface.

Touch any other Tab Button to exit this screen.

Touch PHONE tab to cycle through available phone screens.

Pair/Connect

Touch PHONE tab as needed to enter the pairing screen.

On your handset, open the Bluetooth set-up. Set your handset to "Discovery" mode and select to add a new device. See your handset owners manual for more information.

Touch Pair, after you have turned your cell phone's bluetooth on.

"Pairing" will be displayed on the screen.

After the connection succeeds, your cell phone will display (Rosen).

Connect to the device by entering the pass code (1234).

The system will indicate "Linking" and then "Connected." When your phone is connected its name will be displayed on the unit.

Connection Settings

- **Auto Connect**   **For Normal Use, this function should be enabled**. Enabling this button will automatically reconnect your phone when the system is turned on or if the connection is lost.

- **Connect**   For manual connection, with a paired phone, click this button to reestablish the connection after the system has been turned off or the connection has been lost.

- **Auto Answer**   After three rings, the phone call will be automatically answered.

Dialing

Touch PHONE to enter this screen. You can dial through your phone or from the touch screen shown at the right.

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To make a call from the touch screen, enter the
desired number and press

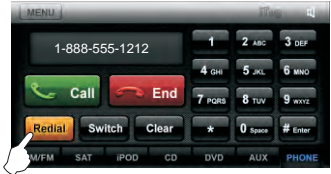If the wrong number has been entered, press

Touch to transfer the call between car
speakers and handset.

To end the call, press

Touch to call the last number dialed from
the system touch screen.

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Answer A Call

While in any mode, if there is an incoming cal, the Bluetooth handsfree system is automatically activated.

Press [Answer] to answer or [End] to reject the call. If Auto Answer is selected, the incoming call will be automatically connected after three rings.
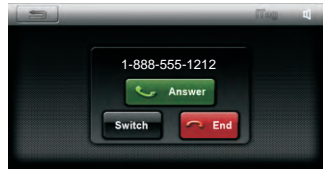
Any time during the call press [Switch] to switch between audio over the car speakers or mobile phone

Call List

Touch [PHONE] to enter the call list interface.

Select the appropriate button to show the last five numbers Missed, Received or Made calls. Although it will not display your cell phone's internal phonebook.

To make a call from the list, short touch the name/number on the screen and it will automatically dial the number.

Phonebook

Touch [PHONE] to enter the _optional_ phonebook interface.
In addition to the Call List features above, you can create and store phone numbers and names in the systems phone book. These phonebook entries can be accessed by any paired user

Note: The system will not display your cell phone's internal phonebook.

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To Add/Edit/Delete an entry, long touch the name/number on the screen and this will open the full keyboard as shown. Select the name or number button to edit the entry. After your entry is correct press the ENTER button.

To return to the previous screen, select the icon.

Bluetooth Music Play

If your system contains the *optional* Bluetooth Music Player you can use your phone as a music source.

Touch PHONE to enter the Bluetooth music interface.
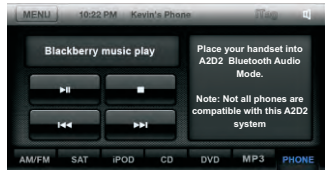
If the cell phone supports Bluetooth music play, the audio from the cell phone can be heard on the car's speakers.

When phone is paired to the system, activate bluetooth music play on the phone. You should be able to hear audio through the car's speakers. You can control music play through the touch screen interface.

While music is playing, the screen will automatically switch to spectrum interface.

▶ⅠⅠ   Play/pause

■   Stop

◀◀   Play next track

▶▶   Play previous track

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3. SYSTEM SETTINGS MENU

3.1.1 Settings Menu

Enter/Exit

Touch **MENU** to enter the main menu interface.

Touch **SETTINGS** to enter the system settings menu.

Touch **←** icon to exit.

System Settings

Clock
Touch to enable/disable the clock display on the menu bar.

Reverse
Touch to enable/disable the reverse function. If the optional backup camera is connected the screen will automatically display the camera view when the vehicle is put in reverse.

Video Nav
Touch to enable/disable the video while in NAV mode. The navigation screen will interrupt the display when necessary.

Beep
Touch to enable/disable the button tone associated with button presses.

Spectrum
Touch to enable/disable the spectrum. Enabling this function would display the spectrum after several seconds of no operation.

Mic Med
Touch to change the Bluetooth microphone sensitivity.

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Time Setup

From the main menu, touch [icon] to enter the system settings interface.

Touch the clock display directly to make changes to the time.

When the selected item (hour and minute) flashes, touch the + and - buttons to make the changes. After the time has been set, touch [Save] To save the changes.

Touch 12Hr to display the time in 12 hour clock notation.

Touch 24Hr to display the time in 24-hour clock notation (military time).

To display the clock, the Clock Button must be selected.

3.1.2 Touch Screen Calibration

Control Calibration

Touch [icon] to enter the control calibration interface.

If you need to re-calibrate the screen settings, go through the following steps to adjust your system.
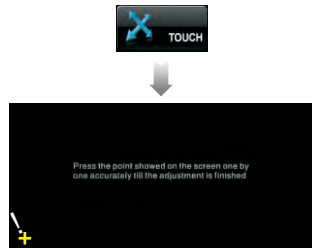
Press the point showed on the screen one by one accurately till the adjustment is finished

◆ Touch Screen Calibration

To re-calibrate the touch screen settings follow the steps below.

To ensure accuracy please use the stylus provided with your system and be sure to touch the center point of the cross as close as possible otherwise the precision of the touch calibration will be affected.

Step 1: Touch the bottom left + as shown.
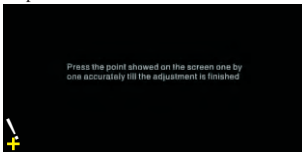
Step 2: Touch the bottom right + as shown.
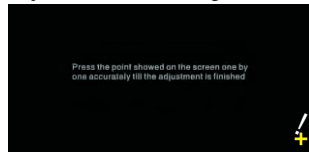
Step 3: Touch the top right + as shown.
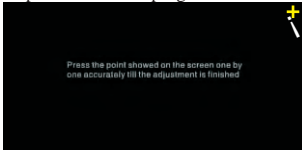
Step 4: Touch the top left + as shown.
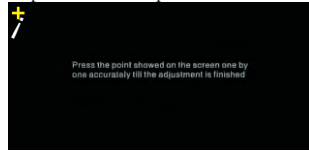
Step 5: Touch the center + as shown.
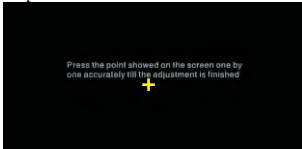
When you have completed this process you will automatically be exited from the touch screen calibration interface and returned to the radio interface.

3.1.3 Extras

Your system may be equipped with various extra features.

Enter/Exit

Touch `MENU` to enter the main menu interface.

Touch to open the available Extras.

Touch the button to exit from the main menu.

If no extras are available the extras page will not open.

Touch one of the selections in the menu as shown to access the Extras Features.

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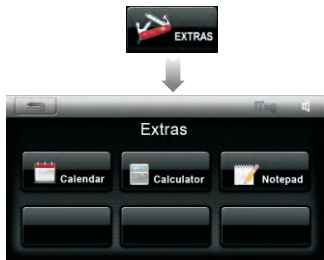
3.1.4 Rear Seat Source

The system offers a rear seat source function. The driver can enjoy music while the passenger can watch a DVD through an option display for rear seat passengers.

Enter∕Exit

From any screen touch the MENU icon to open the main menu.

Touch ⬛ REAR to open the available selections.

Touch one of the selections in the menu as shown to set that source to the Rear Display.
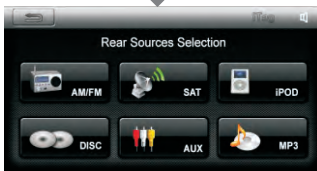
Touch the ⬛ icon to exit.

Note: Some sources require optional equipment.

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3.1.5 Reverse Camera/Sensor Operation

When the system is connected with an *optional* rear camera or sensors you can view the image from the rear camera on the unit or use the backup warning system.

When the camera is installed and the backup setting enabled, the rear camera view will automatically open when the vehicle is shifted into reverse.
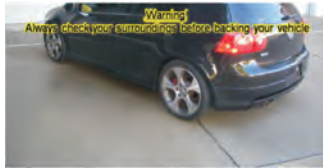
Notice: The rear camera is provided for additional information only.
As the driver, you should always check your surroundings before backing the vehicle.

To access the camera view manually touch the MENU icon to enter the main menu. Touch the CAMERA button to enter the camera view. Touch to exit the camera interface.

If the *optional* reverse sensors are connected without a camera the image will show the approximate distance from any object to the vehicle.
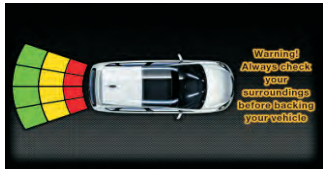
Notice: The reverse sensors are provided for additional information only.
As the driver, you should always check your surroundings before backing the vehicle.

If both *optional* camera and sensors are connected, the distance screen will be shown in addition to the camera image.

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3.1.6 Audio Setup

From the main menu touch [icon] to enter the audio settings interface.

Touch any of the Treble, Mid Range, Bass or Speaker buttons to adjust the balance of the audio settings.

Select the + and - icons on the top menu bar to adjust the levels for the audio and speaker settings.

Speakers:
LR- Left Rear
LF- Left Front
SUB- Subwoofer (if equipped)
CTR- Center (only available when 5.1 Channel is enabled.)
RR- Right Rear
RF- Right Front
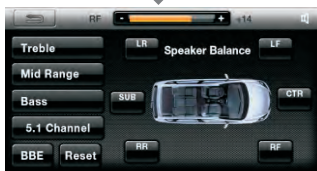
5.1 Channel Press to enable/disable the optional 5.1 channel surround sound speaker configuration enhancement.

BBE Press to enable/disable the BBE sound enhancement technology setting. The adjustment bar is located on the top menu bar.

Reset Press to reset the system to the factory audio settings.

3.1.7 Video Setup

From the main menu touch [icon] to enter the video display settings interface.

Select the + and - icons to adjust the Brightness, Color or Contrast settings.

Touch Reset to reset the system to the factory display settings.
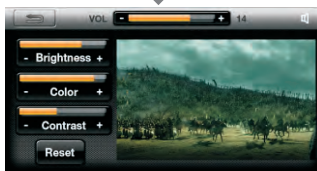
3.1.8 AUX Operation

If you have an external video source connected to your system you can access the source through the Auxiliary Input function (AUX).

Touch MENU to enter the main menu interface.

Touch [AUX icon] to access the external video source.

The AUX source will be displayed in full screen mode

Touch the screen to bring up the top menu bar. Touch [exit icon] to exit.

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3.1.9 DVD System Setup

NOTICE: Use caution when making changes to the DVD Settings. Incorrect settings can prevent the system from operating properly such as loss of audio or video.

Enter/Exit System Setup

Touch DVD tab to enter the DVD interface. While in DVD mode, touch the screen to show the main DVD Control Panel. Touch Setup to enter the System Setup Menu.

Touch the icon to enter the corresponding function interface.
Touch the ✖ icon to exit Setup menu.

	General Setup Page	✔	Preference Setup Page
	Audio Setup Page	✖	Exit from the Setup Menu
	Password Setup Page		
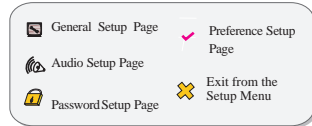
Operation

Touch the icon to enter the corresponding function interface.
Touch the ✖ icon to exit Setup menu.

General Setup Page

- Screen

  Normal/Ps   Images will be displayed in panoramic format
  Normal/LB   Images will be displayed in message box format
  Wide   Images will be displayed in wide screen (16:9) format

- Angle Mark

  On/**Off**   Select to display or hide the angle mark.

- Osd Lang

  English/Chinese/Francais/French/Italiano/Svenska/pyccknn
  Select the DVD system interface language

- Captions

  On/**Off**   Select to display or hide the subtitles.

- Screen Saver

  On/**Off**   Select to display the screen saver after 3-4 minutes of no operation.

- Last Memory

  On/Off   DVD will resume play from where it last left off.

- Logo Type

  Default   Select to display the default splash screen.

  Captured   The splash screen is customized by the user.

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Audio Setup Page

CAUTION: Selecting certain audio settings may disable the audio if your system does not have optional equipment.

◆ SPEAKER SETUP

● DOWNMIX

LT/RT	Dolby stereo, distributes the sound from the middle and the surround channels to the left and right speakers.
Stereo	Audio output to left and right channel signal.
V Surr	Select to create surround sound effect
OFF	The audio output 5.1 channel audio signal (only support 5.1ch DVD disc)

● Speaker

    Front speaker   Center speaker   Rear speaker   Subwoofer

"LRG" refers to all band speakers   "SML" refers to the medium and tweeter speakers

Adjust depending on speaker configuration preference.

● Test Tone

On/**Off**	When the test tone is turned on, the system will play a section of test audio in accordance with the sequence of the front left, center, front right, right surround and left surround sequence.

● Dialog

00-20	Adjust the volume of the DVD disc dialog. (It is unavailable to this model).

● Post DRC

On/Off/ **Auto**	Select to set-up the post DRC ratio of sound. It is recommended that the post DRC be set to "Auto" mode.

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◆ SPDIF Setup Page

● SPDIF Output

Output**/Off**   Meaning that the output signal is an analog signal, which is the normal setting.

SPIDF/ALL/PCM

If you have a 5.1 surround sound system it may support a SPDIF input.

● LPCM Output

48K   It is available to convert 96 K LPCM digital audio into 48K LPCM output when selecting LPCM as 48 K. (That entry is selected when your power amplifier does not support 96K LPCM decoding.)

96K   It is available to deliver the LPCM digital audio in true form output when selecting LPCM96 K.

◆ Dolby Digital Setup

● Dual Mono

Stereo/L-Mono
R-Mono/Mix-Mono   This entry is the selection of Dolby digital channel setup

● Dynamic

FULL-OFF   The greater the dynamic range compression rate, the lessobvious of the dynamic range difference

◆ Channel Delay

● To adjust the sound configuration use the cursor to scroll up/down; to adjust the sound delay distance use the cursor to scroll left/right.

● The Sound Delay Distance is used to select different sound transmission effects in different spaces. The magnitude of space decides the magnitude of delay.

```
-  Audio Setup Page-  -
    Speaker Setup
    Spdif Setup
    Dolby Digital Setup
    Channel Delay
    Equalizer
    3d Processing
    Hdcd
To Audio  setup page
```
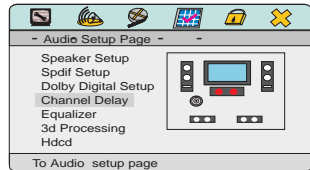
◆ Equalizer Page

● Eq Type

Done/Rock/Pop/Live/Dance/Techno/Classic/Soft

Select to set up the audio output. This feature can be used to imitate various effects of music style.

● Bass Boost

On/**Off**   Select to adjust the enhancement of bass output.

● Super Bass

On/**Off**   Select to adjust the enhancement of super bass output.

● Treble Boost

On/**Off**   Select to adjust the enhancement of treble boost output.

◆ 3D Processing Page

● PRO LOGIC II

On/**Off**/Auto   Dolby directional logic setup, the setup is only effective when "DOWNMIX" setup in "Speaker setup" is set to "OFF."

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- Reverb Mode

  Off/Concert /Living/Room/Hall/bathroom/Cave/Arena/Church

  Select to obtain different reverb effects.

◆ HDCD Setup Page

- Digital Filter

  Off/**1X**/2X   This option is used to select the sampling frequency for the digital wave filter. The higher the frequency the clearer the quality. The default setting is 1X (which displays CD).To play HDCD, please set it to the default setting or 2X.

  Preference Setup Page

  The Preference Page can only be set when there is no disc present in the unit.

- Preference Setup Page-	-	
Tv Type	Ntsc	
PBC	Off	PAL
Audio	Chi	Multi
Subtitle	Chi	NTSC
Disc Menu	Chi	
Parental		
Default		
To Preference setup Page		
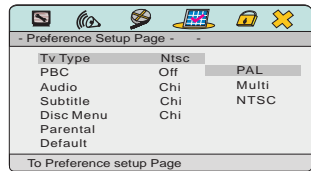
- TV Type

  PAL/MULTI/**NTSC**   Select to set the type of video system.
  (NTSC is recommended for this system).

- PBC

  On/**Off**   Select to set the PBC menu play control to ON/OFF. If the PBC menu is set to ON it will automatically play when reading.

- Audio   **English**/French/Italian/Swedish/Spaish/Chinese/Japanese/Korean/Russian/Thai

  Select to choose the available audio language options.

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- Subtitle

  English/French/Italian/Swedish/Spaish/Chinese/Japanese/Korean/Russian/Thai

  Select to choose the available subtitle language options.

- Disc Menu

  English/French/Italian/Swedish/Spaish/Chinese/Japanese/Korean/Russian/Thai

  Select to choose the available disc menu language options.

- Parental

  1 KID SAF/2 G/3 PG/4 PG 13/5 PGR/6 R/7 NC17/8 **ADULT**

  Select to set the parental controls of your system.

- Default

  Reset   Select to reset your system to the default settings.

Password Setup Page

- Password Setup

  On/**Off**

  Select On to enable your system with password protection; requiring a password be entered before changing any settings or viewing a disc.

  Select Off to disable the password setting.
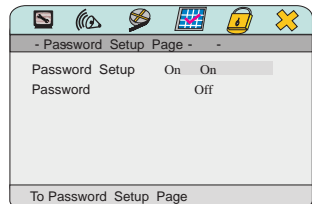
- Password Setup Page- -
Password Setup   On   On
Password   Off
To Password Setup Page

CAUTION: If your password is lost, the system can not be recovered. Password errors or loss are not covered under warranty.

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If the password has been set, enter the original password to cancel the original password first before canceling the password setting.

As the figure shows, use remote number key or touch the number pad of the touch screen to enter correct password and confirm.

Password	* * * *
	O K

- Password

  Select sub-item "Change" in password options and press OK to access password change page. As the figure shows, enter the new and old passwords respectively, and press OK to end.

Old Password	* * * *
New Password	
Confirm PWD	
	O K

- The original password of the system is "1389"

❌ Exit from the Setup Menu

Press ❌ to exit from the setting menu.

- *CAUTION: If your password is lost, the system can not be recovered. Password errors or loss are not covered under warranty.*
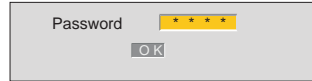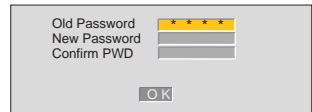
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4. NAVIGATION OPERATION

4. NAV Operation

NOTE: While in NAV, the touch screen functions are limited to Navigation Functions only.

Enter/Exit

Press the NAV button on the perimeter of the unit to enter the navigation interface.

Press the NAV button or any other source button on the unit to exit navigation.

To access any other functions, you must first exit the navigation interface.

Navigation Audio and Video Function

While in NAV mode, you can still listen to music or play a video. Voice navigation and the map screen will interrupt the music/video when necessary.

For details on how to change these settings, see the System Settings section.

Volume Adjustment

To adjust the volume of navigation voice, adjust the volume setting during voice commands.

Navigation System Operation

For more detail on navigation functions, refer to the navigation manual.

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4.1 NAV Touch Screen Calibration

The Navigation Calibration Screen is only available for a short time, after the vehicle is switched ON. To access the Navigation Calibration Screen, select NAV as soon as the System Self Test has finished.

Step 1: Start the Rosen Unit and wait for the Self Test to complete.

Step 2: Select NAV after the Self Test has completed.

Step 3: Touch the Screen quickly, before it "Times Out." If needed, repeat Steps 1 and 2.

Step 4: Follow the On-Screen instruction to adjust the calibration.

4.2 Map and POI Updates

The SD navigation card in your system contains Map and POI data. Because this data is frequently updated you may want to update the data on your NAV SD Card.

To purchase Map or POI updates please go to www.naviextras.com.

CAUTION: The content on the NAV SD Card contains a License Code. This code can not be moved to different cards. If the Card is Lost or Damaged in anyway, it will render the Navigation system inoperable.

<u>*Damaged or deleted files on the NAV SD Card are NOT covered under the product Warranty*</u>

5. PRECAUTIONS/SYSTEM RESET

Hazards

-Never use excessive force on the Touch Panel in the System, as this may cause glass breakage and result in sharp edges.

-Never place foreign objects into the unit Disc slot, USB, or SD card slot as this will damage the unit and could result in electrical shock or fire.

-Plastic bags and some packing materials may present suffocation or choking hazards. Never place these materials where babies or children may come into contact with them.

Precautions When Using This Product

-Do not insert anything other than approved discs into the disc loading slot. This will cause damage to the product.

-Protect this product from moisture.

-To clean the screen, wipe with a soft cloth. Do not use chemicals, as this may cause damage to the product.

-Do not attempt to repair this product. Please contact an authorized dealer.

Precautions When Using Discs

-Use only fully circular 12cm discs.

-Do not use cracked, chipped, warped or otherwise damaged discs as they may cause damage to the product.

-Avoid leaving discs in excessively hot environments, including under direct sunlight.

-Playback of discs may not be possible due to disc format, recorded application, storage conditions, etc.

-To clean discs, with the disc with a soft cloth outward from the center.

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Installation

-Never modify the System unless instructed by the installation manual. Rosen Entertainment Systems will not be held liable for property damage, injury or death which are the result of improper installation or modification. This system should be installed by a qualified service technician.

Normal Use

-The driver should avoid looking at the System while the vehicle is in motion, as this may create a hazardous situation resulting in accident or death.

-The driver should avoid changing Disc, USB, iPod or other devices related to the system while driving, as this may create a hazardous situation resulting in accident or death. To make changes to the Disc, USB or iPod, stop the vehicle in a safe place before making these changes.

-Never apply liquids directly to the System when cleaning it. Only use non-abrasive mild cleaners applied to a soft cloth to clean the System.

Abnormal Operation

-If the System fails to read the Disc after extended periods of high heat or cold temperatures, allow approximately one hour for the System to regain a normal operating temperature and try again.

-Do not use the System if it is malfunctioning, turn the System off until a qualified service technician can examine the System.

-If liquids are spilled or come into contact with the System, turn the System off and discontinue use until a qualified service technician can examine the System.

-If the System overheats or smoke is emitted, turn the System off and discontinue use until a qualified service technician can examine the System.

System Reset

If the system does not respond normally reset the system. To reset the system use a paperclip or something similar to press and hold the reset switch for about 5 seconds or until the system restarts.

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This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners.

This device complies with DHHS Rule 21 CFR subchapters J applicable by date of manufacture.
FCC ID: EST0908-201-F

EVLD: AT0809616R

CE: AT0809616S